

**Polymers based on vinylcyclohexane**

Abstract

Polymers of vinylcyclohexane with an absolute molecular weight  $M_w$  from 100,000 to 450,000 g/mol or a mixture thereof with a low molecular weight component with an absolute molecular weight from 1000 to less than 100,000 g/mol, wherein the molecular weight distribution is characterised by a polydispersity index of 1 to 3 and the maximum melt viscosity is 1000 Pa.s, as measured at 300°C and at a shear rate of 1000 sec<sup>-1</sup>.